

Access to and Preferences for Text Messaging for Medical and Insurance Reminders in a Safety Net Population



in a Safety Net Population Leah Zallman^{1,2,3,4}, Catherine West⁵, Alex Harsha², Danny McCormick^{1,2}

1. Cambridge Health Alliance, Department of Medicine; 2. Harvard Medical School; 3. Kraft Center for Community Health; 4. Institute for Community Health; 5. Center for Health Information and Analysis

INTRODUCTION

The immediate, direct-to-patient nature of text messaging and low cost may help overcome communication barriers between healthcare providers and underserved communities.

- Reminders can increase patient appointment and treatment completion, and is a reliable method of communication even in communities with low literacy.
- Text messaging may offer similar opportunities to reach patients in health care safety net settings who are disproportionately impacted by homelessness or unstable housing, low health literacy and may be lost to follow up.

Preferences for and predictors of text messaging among patients at safety net institutions have not been elucidated.

METHODS

Face-to-face structured interviews (N=793) of patients at emergency departments of three large safety-net hospitals (September 2013-January 2014)

- Inclusion Criteria: Age 18-64; Speak English, Haitian Creole, Spanish or Portuguese; only have one insurance type or are uninsured
- •Exclusion Criteria: Severely ill patients
- •Response rate of 81%

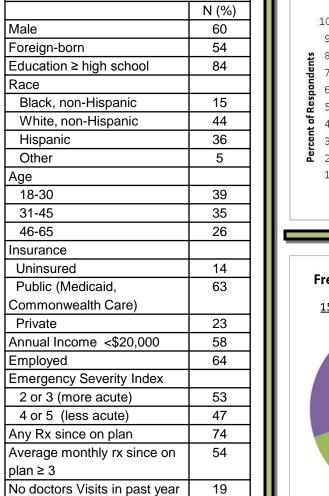
Survey questions:

- Access to text messaging
- Preferences for text messaging
- Receiving reminders
- •Over other forms of communication

Analysis:

- Multivariable logistic regression models
- •Model 1: age, gender, insurance
- •Model 2: age, gender, insurance, race/ethnicity, immigration status, chronic condition

RESULTS

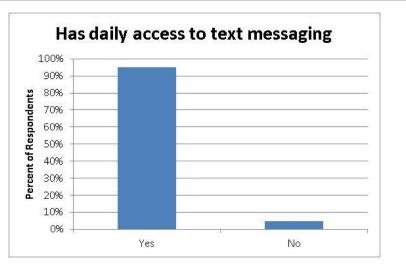


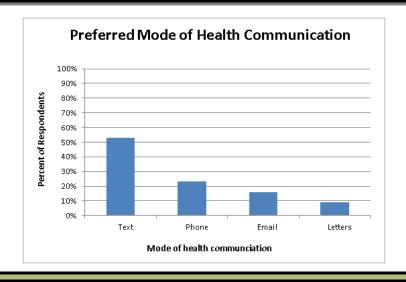
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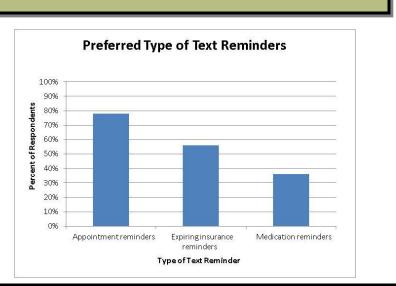
Table 1. Demographics

Hospitalization past year

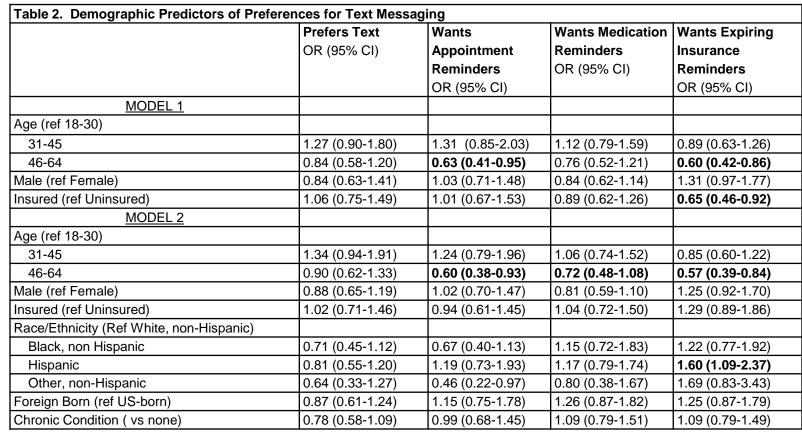
Excellent or very good Health







Frequency and reasons for not wanting text messaging	
15% of respondents stated they do not want text message reminders	
30	■ Does not like/understand text messaging
44	■ Privacy Concerns
	■ Cost
11	■Other
15	



Bolded items are significant (p<0.05)

CONCLUSIONS

- In a safety net population, the vast majority of patients have access to text messaging.
 - A small minority do not want text messaging.
- A high proportion express preferences for text message reminders over other forms of communication.
- Reminders regarding appointments and expiring insurance were most highly desired.
- Younger age and Hispanic ethnicity are associated with preferences for some text message reminders.

LIMITATIONS

- Single institution, may not be generalizable
- Emergency department setting, may not be representative of outpatient populations

IMPLICATIONS

Text messaging may be a promising method to improve healthcare provider communication with safety net populations in the US, particularly for appointment and expiring insurance reminders and among younger and Hispanic populations.



